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[April 16,

Stated Meeting, April 16, 1880.

Present, 17 members.

President, Mr. FRALEY, in the chair.

A letter of acknowledgment was received from the K. K. Central Anstalt für Meteorologie und Erdmagnetismus, at Vienna, dated March 17, 1880 (100, 103).

A letter of envoy was received from the Surveyor-General of India, dated Calcutta, March 1, 1880.

Donations for the Library were received from the Swedish Bureau of Statistics, Stockholm; Herr C. A. Dohrn, Stettin; the editor of the "Zoologischer Anzeiger," Leipzig; the Royal Academy, Brussels; Société de Géographie, and Revue Politique et Litteraire, at Paris; Accademia dei Lincei, Rome; Editors of the "Revista Euskara," Pamplono; Society of Antiquaries, Editors of Nature, and Mr. Joseph Prestwich, London; Natural History Society, Montreal; Connecticut Academy of Arts and Sciences, and American Journal of Science, New Haven; Trustees of the Astor Library; Editor of the North American Entomologist, Buffalo; New Jersey Historical Society; New Jersey State Geologist; Franklin Institute, Medical News, American Journal of the Medical Sciences, and American Journal of Pharmacy, Philadelphia; the Managers of Haverford College, Penna.; Mr. Henry Phillips, Jr., of Philadelphia; Cincinnati Society of Natural History; St. Louis Academy of Sciences; and M. Hugo von Meltzl.

No. 105 of the Proceedings of the Society, just published, was exhibited.

Mr. Lesley communicated the following extracts from a letter received from Mr. Lesquereux respecting an interesting discovery of North Carolina Triassic (?) plants in Bucks county, Pennsylvania:

"Yesterday (April 13) I found in a box, which I received about two weeks ago, a letter from Mr. John S. Ash, of Buckingham, Bucks county, Pennsylvania, with six specimens bearing vegetable remains of a Cycad: *Pterophyllum robustum* Emmons (a large specimen); *Calamites arenaceus* Brtg. (four specimens), outside and inside cylinder in two small specimens; a fragment of bark (undeterminable) like a *Cyclostigma*.

"These specimens, especially the *Pterophyllum*, are positively of the age of the Red of North Carolina, which Emmons refers to the Trias, and which White puts as high as the Lias or Jurassic; certainly not New Red as marked in the letter; still less Carboniferous.

"Neither Dana nor Rogers have seen this Formation in Pennsylvania, at least not in Bucks County. The fossils interest me very much.

Prof. Chase communicated three notes entitled:—

1. Astronomical Approximations. V. Cometary Paraboloids.
2. VI. Cosmical Determination of Joule's Equivalent.
3. Relations of Chemical Affinity to Luminous and Cosmical Energies.

Mr. Hall discussed some geological casts of a series from the State Geological Survey.

Pending nominations Nos. 893 to 908 were read and acted upon.

Pending nominations Nos. 909 to 913 were read.

Mr. Chase moved that Haverford College be placed on the roll to receive the publications (Proceedings and Transactions) of the Society. It was so ordered.

On scrutiny of the ballot boxes by the President, the following persons were declared duly elected members of the Society:

893. Dr. Austin Flint, Sr., of New York City.
 894. Dr. Austin Flint, Jr., of New York City.
 895. Dr. Roberts Bartholow, of Philadelphia.
 896. Mr. J. Vaughn Merrick, of Philadelphia.
 897. Mr. Horace Howard Furness, of Philadelphia.
 898. Mr. Ellis Yarnall, of Philadelphia.
 899. Rev. George Dana Boardman, of Philadelphia.
 900. Mr. William B. Rogers, Jr., of Philadelphia.
 901. Prof. Ogden N. Rood, of New York City.
 902. Mr. Henry Martyn Chance, of Philadelphia.
 903. Dr. William Thompson, of Philadelphia.
 905. Mr. Carlisle P. Patterson, of Washington.
 906. Mr. Hampton L. Carson, of Philadelphia.
 907. Mr. Joseph C. Fraley, of Philadelphia.
 908. Rev. Joseph A. Murray, D.D., of Carlisle, Pa.
- And the meeting was adjourned.